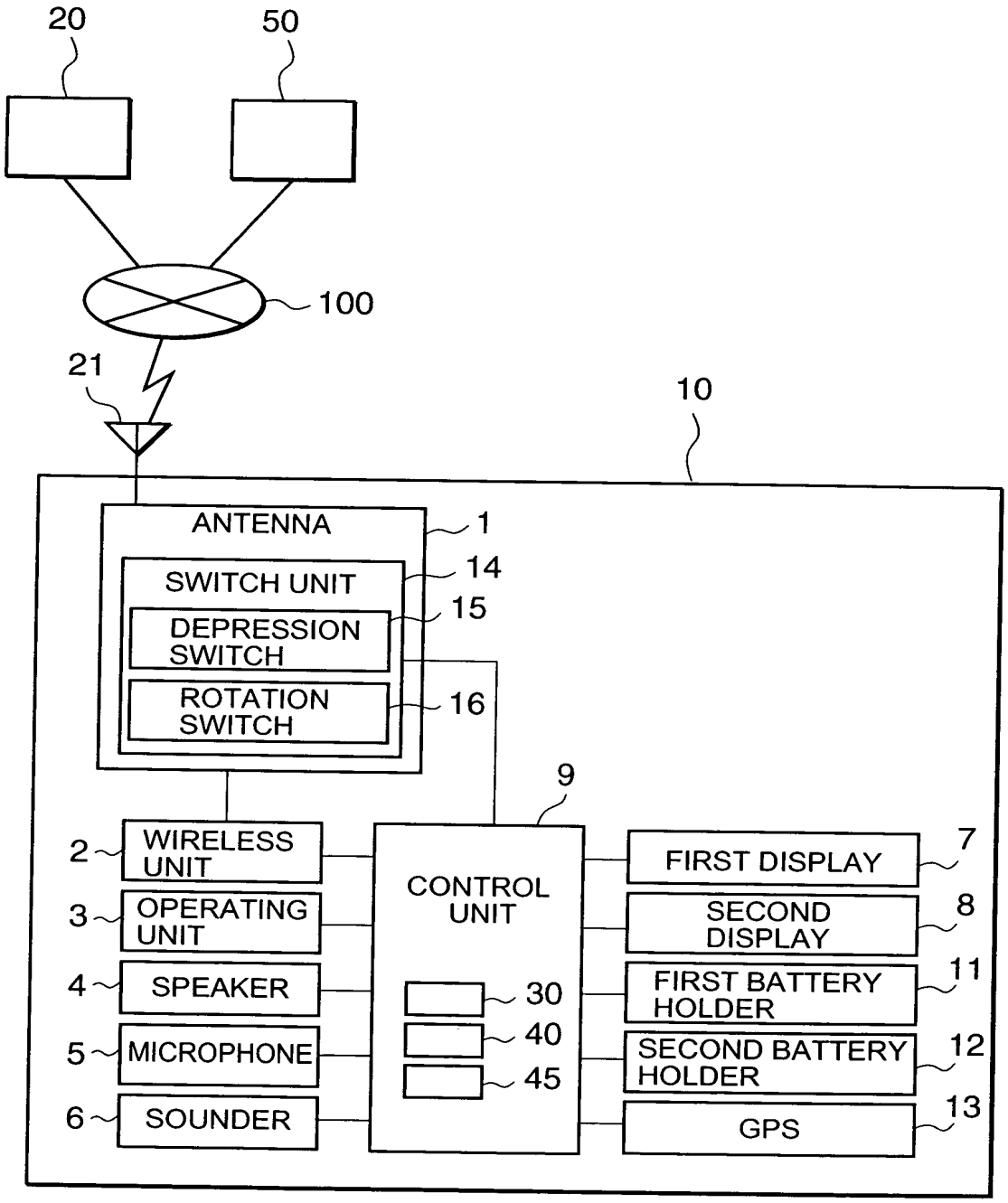
20
50
100
21
10
ANTENNA
1
SWITCH UNIT
14
DEPRESSION SWITCH
15
ROTATION SWITCH
16
9
2
WIRELESS UNIT
3
OPERATING UNIT
4
SPEAKER
5
MICROPHONE
6
SOUNDER
CONTROL UNIT
30
40
45
FIRST DISPLAY
7
SECOND DISPLAY
8
FIRST BATTERY HOLDER
11
SECOND BATTERY HOLDER
12
GPS
13

FIG. 1

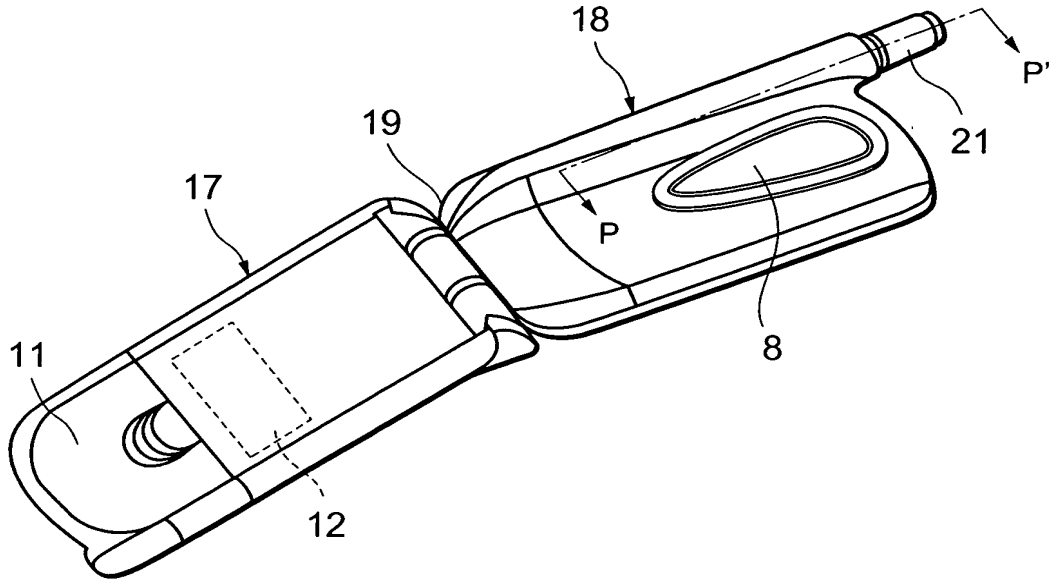

FIG. 2

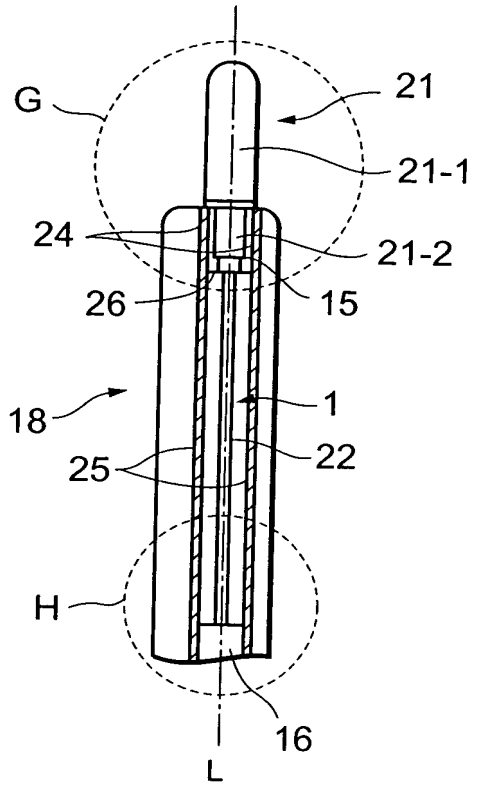

FIG. 3

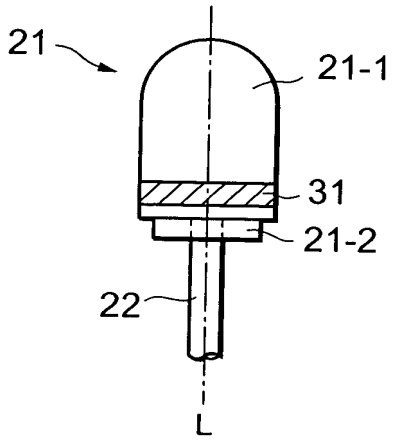

FIG. 4

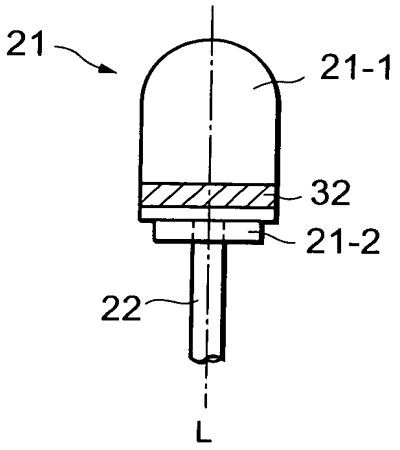

FIG. 5

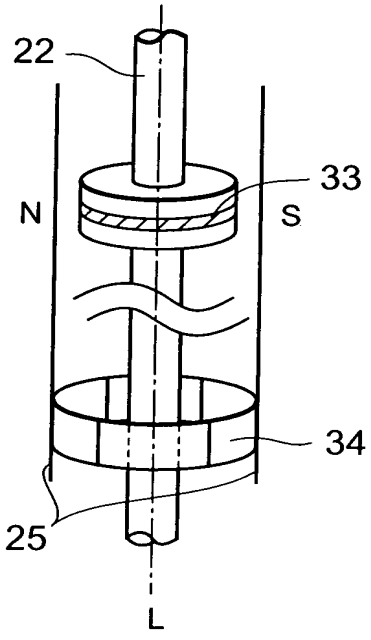

FIG. 6A

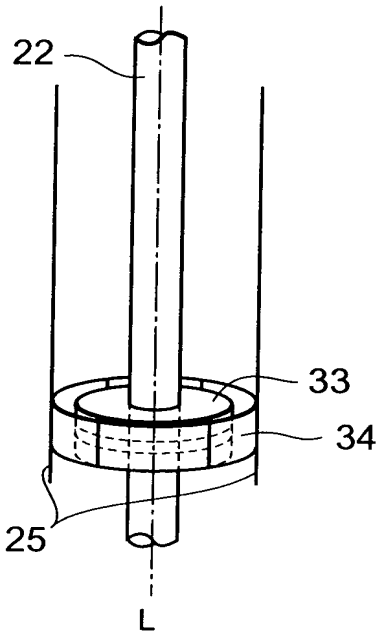

FIG. 6B

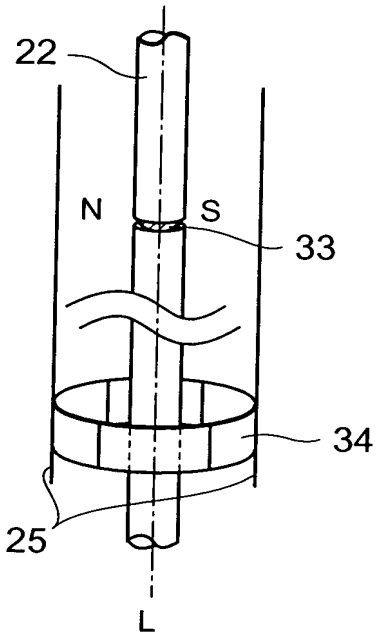

FIG. 7

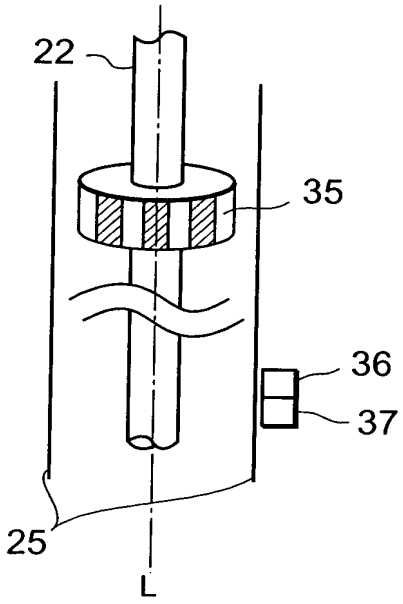

FIG. 8A

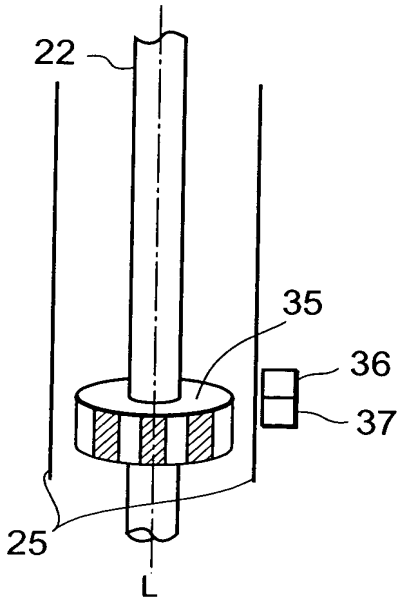

FIG. 8B

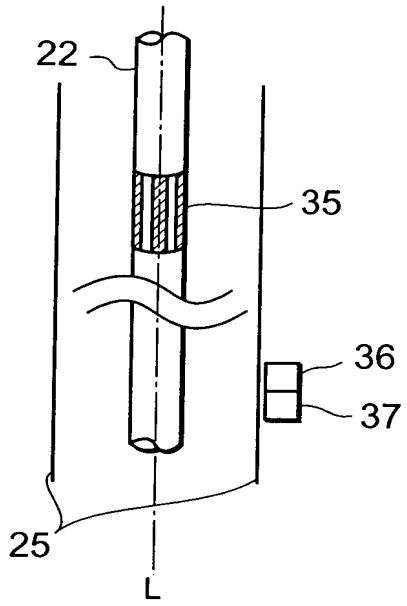

FIG. 9

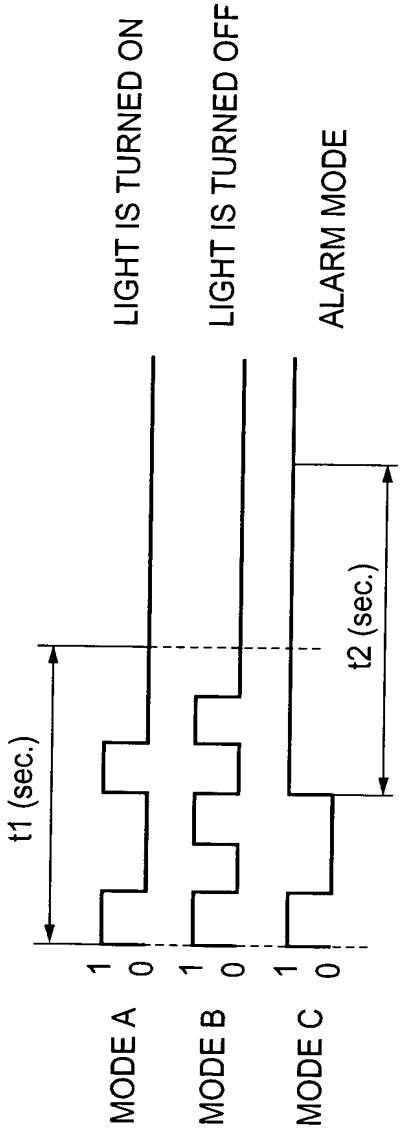
LIGHT IS TURNED ON
LIGHT IS TURNED OFF
ALARM MODE
t1 (sec.)
t2 (sec.)
1
0
1
0
1
0
MODE A
MODE B
MODE C

FIG. 10

30

ITEM	MAIN MENU	SUBMENU			
1	TIME, CALENDAR				
2	SCHEDULE	DISPLAY ITEM			
3	INCOMING HISTORY	DISPLAY ITEM			
4	INQUIRY TO ANSWER PHONE				
5	MAIL	DISPLAY ITEM			
6	VIBRATION ALERT	1	VIBRATOR	1	ON
				2	OFF
		2	STOP CALLING	1	ON
				2	OFF
		3	DRIVE MODE	1	ON
				2	OFF
7	PLAY MUSIC	1	PLAY		
		2	LOOP PLAY		
		3	SELECT PIECE OF MUSIC		
		4	OFF		

FIG. 11

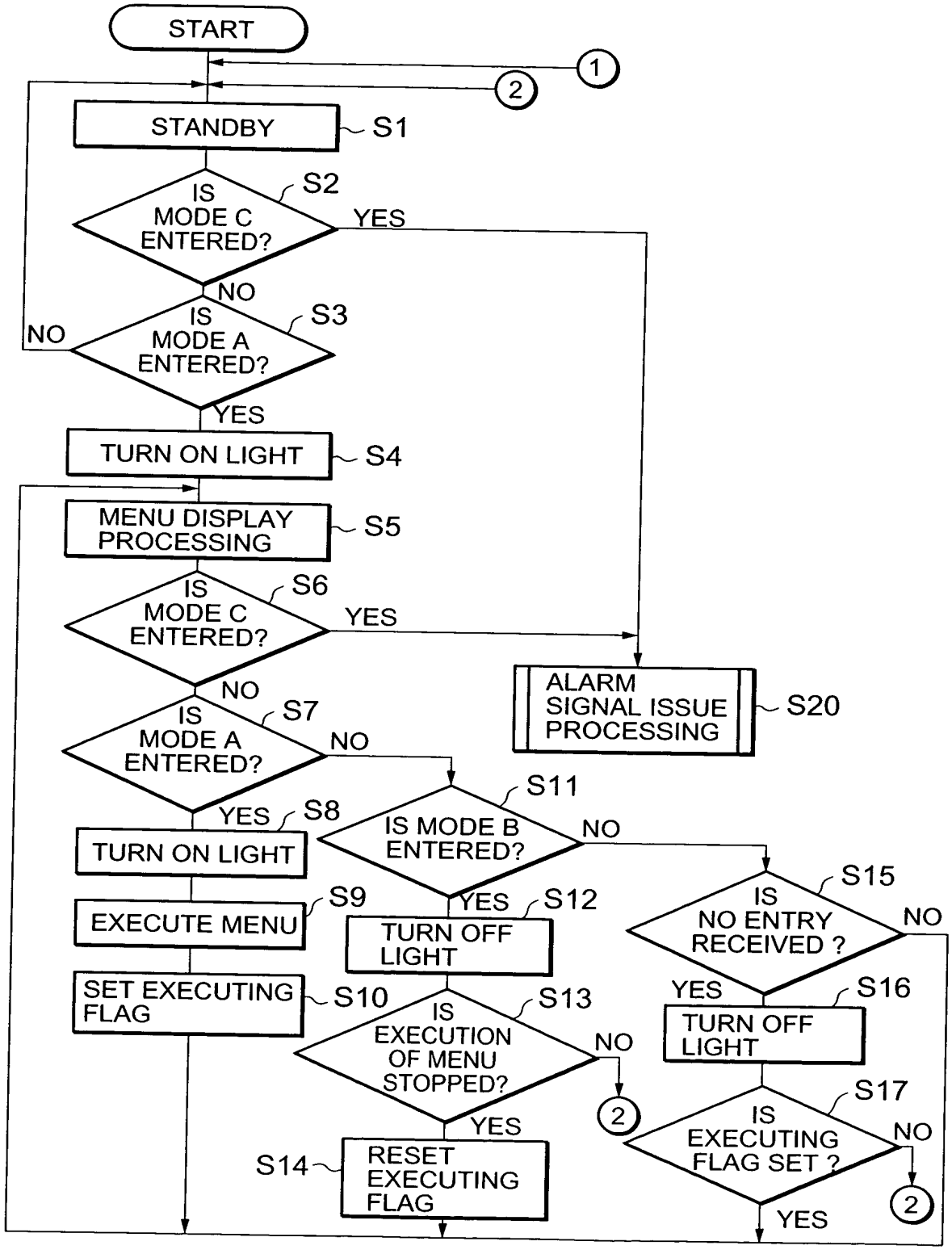
START
1
2
STANDBY
S1
IS MODE C ENTERED?
S2
YES
NO
IS MODE A ENTERED?
S3
NO
YES
TURN ON LIGHT
S4
MENU DISPLAY PROCESSING
S5
IS MODE C ENTERED?
S6
YES
NO
IS MODE A ENTERED?
S7
NO
YES
TURN ON LIGHT
S8
EXECUTE MENU
S9
SET EXECUTING FLAG
S10
ALARM SIGNAL ISSUE PROCESSING
S20
IS MODE B ENTERED?
S11
NO
YES
TURN OFF LIGHT
S12
IS EXECUTION OF MENU STOPPED?
S13
NO
YES
RESET EXECUTING FLAG
S14
IS NO ENTRY RECEIVED ?
S15
NO
YES
TURN OFF LIGHT
S16
IS EXECUTING FLAG SET ?
S17
NO
YES
2
2

FIG. 12

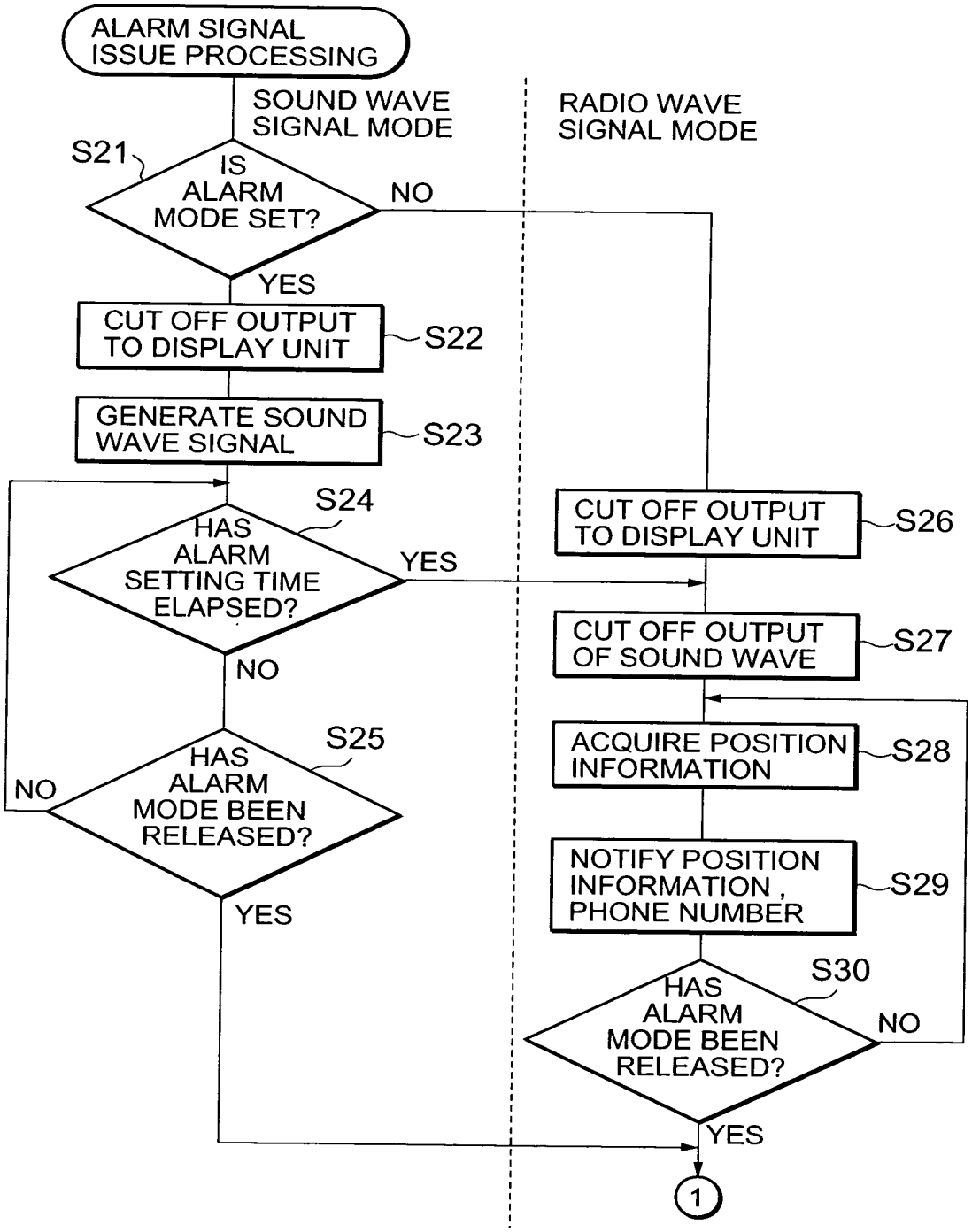
ALARM SIGNAL ISSUE PROCESSING
SOUND WAVE SIGNAL MODE
RADIO WAVE SIGNAL MODE
S21
IS ALARM MODE SET?
NO
YES
CUT OFF OUTPUT TO DISPLAY UNIT
S22
GENERATE SOUND WAVE SIGNAL
S23
S24
HAS ALARM SETTING TIME ELAPSED?
YES
NO
S25
HAS ALARM MODE BEEN RELEASED?
NO
YES
CUT OFF OUTPUT TO DISPLAY UNIT
S26
CUT OFF OUTPUT OF SOUND WAVE
S27
ACQUIRE POSITION INFORMATION
S28
NOTIFY POSITION INFORMATION , PHONE NUMBER
S29
S30
HAS ALARM MODE BEEN RELEASED?
NO
YES
1

FIG. 13